

Title (en)  
USE OF A HIGH STRUCTURE AND DISPERSIBLE PRECIPITATED SILICA AS THICKENING OR TEXTURING AGENT IN TOOTHPASTE COMPOSITIONS

Title (de)  
VERWENDUNG VON DISPERGIERBARER DICHTER FÄLLUNGSKIESELSÄURE MIT HOHER STRUKTUR ALS VERDICKUNGSMITTEL UND TEXTURSMITTEL IN ZAHNPFLEGEMITTELN

Title (fr)  
UTILISATION D'UNE SILICE DE PRECIPITATION DE HAUTE STRUCTURE ET DISPERSIBLE COMME AGENT EPAISSISSANT OU TEXTURANT DANS LES COMPOSITIONS DENTIFRICES

Publication  
**EP 1286648 B1 20051005 (FR)**

Application  
**EP 01943571 A 20010606**

Priority  
• FR 0101742 W 20010606  
• FR 0007288 A 20000607

Abstract (en)  
[origin: US2003147816A1] The invention concerns the use, as thickening or texturing agent in toothpaste compositions, of a highly dispersible precipitated silica having a pH of 3.5 to 9, a DOP oil absorption higher than 200 ml/g, a CTAB specific surface area from 70 to 250 m<sup>2</sup>, a median diameter of at least 20 µm determined by ultrasound-free laser diffraction, a residual anion rate, expressed in sodium sulphate, less than 5 wt. %.

IPC 1-7  
**A61K 7/16**; **C01B 33/193**

IPC 8 full level  
**A61K 8/00** (2006.01); **A61K 8/25** (2006.01); **A61K 8/34** (2006.01); **A61Q 11/00** (2006.01); **C01B 33/193** (2006.01)

CPC (source: EP US)  
**A61K 8/25** (2013.01 - EP US); **A61Q 11/00** (2013.01 - EP US); **C01B 33/193** (2013.01 - EP US); **C01P 2004/61** (2013.01 - EP US); **C01P 2006/10** (2013.01 - EP US); **C01P 2006/11** (2013.01 - EP US); **C01P 2006/12** (2013.01 - EP US); **C01P 2006/19** (2013.01 - EP US); **C01P 2006/80** (2013.01 - EP US); **C01P 2006/90** (2013.01 - EP US)

Cited by  
CN107720763A

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 2003147816 A1 20030807**; **US 7033576 B2 20060425**; AT E305768 T1 20051015; AU 6611701 A 20011217; BR 0111449 A 20030617; BR 0111449 B1 20130618; CN 1208042 C 20050629; CN 1434700 A 20030806; DE 60113833 D1 20060216; DE 60113833 T2 20060330; EP 1286648 A2 20030305; EP 1286648 B1 20051005; ES 2245987 T3 20060201; FR 2809955 A1 20011214; FR 2809955 B1 20041126; JP 2004501119 A 20040115; JP 3993822 B2 20071017; MX PA02011784 A 20030410; WO 0193803 A2 20011213; WO 0193803 A3 20020314

DOCDB simple family (application)  
**US 29678802 A 20021126**; AT 01943571 T 20010606; AU 6611701 A 20010606; BR 0111449 A 20010606; CN 01810803 A 20010606; DE 60113833 T 20010606; EP 01943571 A 20010606; ES 01943571 T 20010606; FR 0007288 A 20000607; FR 0101742 W 20010606; JP 2002501377 A 20010606; MX PA02011784 A 20010606